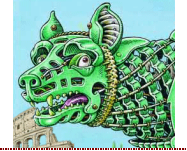


EVOLUTION AND EMERGENCE OF LINGUISTIC COMMUNICATION

30th September & 1st October 2006, CNR, Rome, Italy



SATURDAY SEPTEMBER 30th 2006

8:30 - 9:00 Registration

Morning Session

9:00 - 11:00 Invited Speakers

- Unify and Merge in Fluid Construction Grammar
 - Luc Steels
- How do children develop syntactic representations from what they hear?
 - Elena Lieven

11:00 - 11:30 **Coffee break**

11:30 - 12:50 Presentations (Chair:)

- Lexicon Convergence in a Population with and without Metacommunication
 - Zoran Macura & Jonathan Ginzburg
- A hybrid model for learning word-meaning mappings
 - Federico Divina & Paul Vogt

12:50 - 14:00 **Lunch Break**

Afternoon Session

14:00 – 16:00 Presentations (Chair:)

- Simulating Meaning Negotiation using Observational Language Games
 - Tiina Lindh-Knuutila, Timo Honkela & Krista Lagus
- Utility for Communicability by Profit and Cost of Agreement
 - Ryuichi Matoba, Makoto Nakamura & Satoshi Tojo
- Dialog Strategy Acquisition and Its Evaluation for Efficient Learning of Word Meanings by Agents
 - Ryo Taguchi, Kouichi Katsurada & Tsuneo Nitta

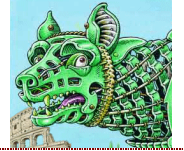
16:00 - 16:30 **Coffee break**

16:30 – 17:50 Presentations (Chair:)

- Evolving Distributed Representations for Language with Self-Organizing Maps
 - Simon D. Levy & Simon Kirby
- Symbol Grounding through Cumulative Learning
 - Samarth Swarup, Kiran Lakkaraju, Sylvian R. Ray & Les Gasser

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SUNDAY OCTOBER 1st 2006

Morning Session

9:00 - 11:00 Invited Speakers

- The Human Speechome Project
 - Deb Roy
- Robots that Learn Language: Developmental Approach to Human-Machine Conversations
 - Naoto Iwahashi

11:00 - 11:30 **Coffee break**

11:30 - 12:50 Presentations (Chair:)

- Cross-situational learning: a mathematical approach
 - Kenny Smith, Andrew Smith, Richard A. Blythe & Paul Vogt
- Operational aspects of the evolved signalling behaviour in a group of cooperating and communicating robots
 - Elio Tuci, Christos Ampatzis, Federico Vicentini & Marco Dorigo

12:50 - 14:00 **Lunch Break**

Afternoon Session

14:00 – 16:00 Presentations (Chair:)

- Propositional Logic Syntax Acquisition
 - Josefina Sierra-Santibáñez
- How grammar emerges to dampen combinatorial search in parsing
 - Luc Steels & Pieter Wellens
- Implementation of Biases Observed in Children's Language Development into Agents
 - Ryo Taguchi, Masashi Kimura, Shuji Shinohara, Kouichi Katsurada & Tsuneo Nitta

16:00 - 16:30 **Coffee break**

16:30 – 17:30 Invited Speaker

- Cooperation, Conceptual Spaces and the Evolution of Semantics
 - Peter Gärdenfors

17:30 – 18:00 Discussion and closing